

INTRODUCTION TO DENTAL HEALTH CAREERS

DOE #5209

CIP Code: 51.1101 Pre-Dentistry Studies

Introduction to Dental Health Careers introduces students to the occupational areas and opportunities in the dental health field. Various instructional strategies and technologies will be used to help students gain insight into the many aspects of the current dental health delivery system; e.g., educational requirements, credentialing, legal and ethical responsibilities of the dental health care worker, professionalism, interpersonal communications, patient management and employment. In addition to head and neck anatomy, basic skills related to standard precautions and infection control, CPR and First Aid will be taught. The course will also introduce students to the health-specific career and technical student organization, HOSA.

- Recommended Grade Level: 10-12
- Required Prerequisite: None
- Recommended Prerequisite: Biology, Chemistry, Mathematics, and Anatomy and Physiology
- Credits: A one semester course, one to two credits per semester
- A Core 40, Core 40 with Academic Honors, and Core 40 with Technical Honors diploma directed elective course
- A Career Academic Sequence, Career-Technical program, or Flex Credit course
- Academic content standards:
http://www.doe.state.in.us/octe/health/hce/dental_health_careers.pdf
- Curriculum Framework:
http://www.doe.state.in.us/octe/health/hce/dental_health_careers.pdf
- Teacher Requirements: <http://doe.state.in.us/dps/licensing/assignmentcode>
- Funding: State Additional Pupil Count (APC) vocational funding available if taught by CTE licensed Health Sciences teacher

Content Standards and Competencies

The following are measurable exit standards and competencies that students should know and be able to do at the conclusion of the course. The content standards and competencies do not define a specific sequence for teaching and learning. While all content standards and competencies should be addressed in some way, teaching order and areas of emphasis will vary according to local needs.

1. HISTORY AND FUTURE: DESCRIBE THE HISTORY OF DENTISTRY AND ITS RELATIONSHIP TO CURRENT AND FUTURE DENTAL HEALTH CARE PRACTICES.

- 1.1. Describe the history and various professions in dentistry.
- 1.2. Compare past trends of dentistry and their relationship to current dental practices.
- 1.3. Explain how past trends of dentistry relate to future practices in dentistry.

2. CAREER OPTIONS: IDENTIFY CAREER OPTIONS IN THE DENTAL HEALTH FIELD.

- 2.1. Identify the roles and responsibilities of the dental health team.
- 2.2. Describe the work environment for dental health professionals.
- 2.3. Identify the educational requirements for each dental professional.

3. ROLES AND RESPONSIBILITIES: DESCRIBE THE PROFESSIONAL ROLE AND RESPONSIBILITIES OF THE DENTAL HEALTH CARE WORKER.

- 3.1. Describe professional attitude and behavior.
- 3.2. Maintain personal oral hygiene and personal grooming.
- 3.3. Describe the necessity for life long learning.
- 3.4. List positive employee attributes.
- 3.5. Define quality patient care.

4. LEGAL AND ETHICAL: DESCRIBE THE LEGAL AND ETHICAL ASPECTS OF THE PRACTICE OF DENTISTRY.

- 4.1. Describe confidentiality in the dental office.
- 4.2. Identify Duty of Care.
- 4.3. Define reasonable skill, care, and judgment.
- 4.4. List the State Dental Practice Act criteria.

5. COMMUNICATION: DEMONSTRATE COMMUNICATION SKILLS THAT ARE PERFORMED IN A DENTAL OFFICE.

- 5.1. Describe the chain of command within the dental office.
- 5.2. Demonstrate effective verbal/non-verbal communication.
- 5.3. Demonstrate correct use of grammar, verbally and in written form.
- 5.4. Identify major characteristics of teamwork.
- 5.5. Respond appropriately to the individual needs of patients of different age groups.

6. ANATOMY AND PHYSIOLOGY: ACQUIRE KNOWLEDGE OF DENTAL ANATOMY AND PHYSIOLOGY.

- 6.1. Describe the bones and muscles of the head and neck.
- 6.2. Identify oral landmarks and structures.
- 6.3. Describe the teeth and support structures.
- 6.4. Describe eruption and reabsorption of teeth.
- 6.5. Describe tooth development, occlusion, form, and function.
- 6.6. Identify structures and function of the temporomandibular joint.
- 6.7. Identify salivary glands and their functions.

7. INFECTION CONTROL: PERFORM INFECTION CONTROL PRACTICES.

- 7.1. Identify microorganisms pertaining to dentistry.
- 7.2. Define disease transmission and infection control.
- 7.3. Demonstrate use of personal protective barriers.

- 7.4. Sterilize and disinfect instruments, equipment and the operatory.
- 7.5. Identify the Occupational Exposure to Bloodborne Pathogens Written Control Plan.

8. VITAL SIGNS: MEASURE AND RECORD VITAL SIGNS.

- 8.1. Demonstrate taking an oral temperature with a mercury and electronic thermometer.
- 8.2. Demonstrate measuring pulse at major artery sites.
- 8.3. Demonstrate counting respirations.
- 8.4. Demonstrate measuring blood pressure.

9. CPR AND FIRST AID CERTIFICATION: BECOME CERTIFIED IN CPR/FIRST AID.

- 9.1. Demonstrate skills in adult, child, and infant CPR.
- 9.2. Demonstrate skills in basic first aid procedures.